

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039647.D
 Acq On : 21 Sep 2022 22:59
 Operator : SY/AP
 Sample : N4669-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF6

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 08:21:23 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.214	49	1061852	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2621194	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2432607	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1842099	10.144	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	25923	0.211	ppbv	99
3) Chlorodifluoromethane	2.681	51	13309572	105.623	ppbv #	57
4) Chloromethane	2.841	50	32076	0.422	ppbv	95
11) Trichlorofluoromethane	3.591	101	43621	0.286	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.095	101	8596m	0.075	ppbv	
13) Ethanol	3.269	45	5115395	1166.545	ppbv	71
15) Acetone	3.491	43	2398203	20.297	ppbv	99
20) Methylene Chloride	3.957	84	81056	1.484	ppbv	98
23) Vinyl Acetate	4.639	43	80981	1.516	ppbv #	81
25) Ethyl Acetate	5.227	43	292108	1.134	ppbv #	97
26) Hexane	5.237	57	102206	0.935	ppbv #	76
29) Chloroform	5.301	83	144115	0.913	ppbv	95
30) Cyclohexane	6.623	84	11623	0.137	ppbv #	15
34) 2-Butanone	4.812	43	111111	0.863	ppbv	91
37) 1,2-Dichloroethane	5.828	62	42807	0.392	ppbv #	95
53) Toluene	9.240	91	326131	1.463	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1021250	6.130	ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

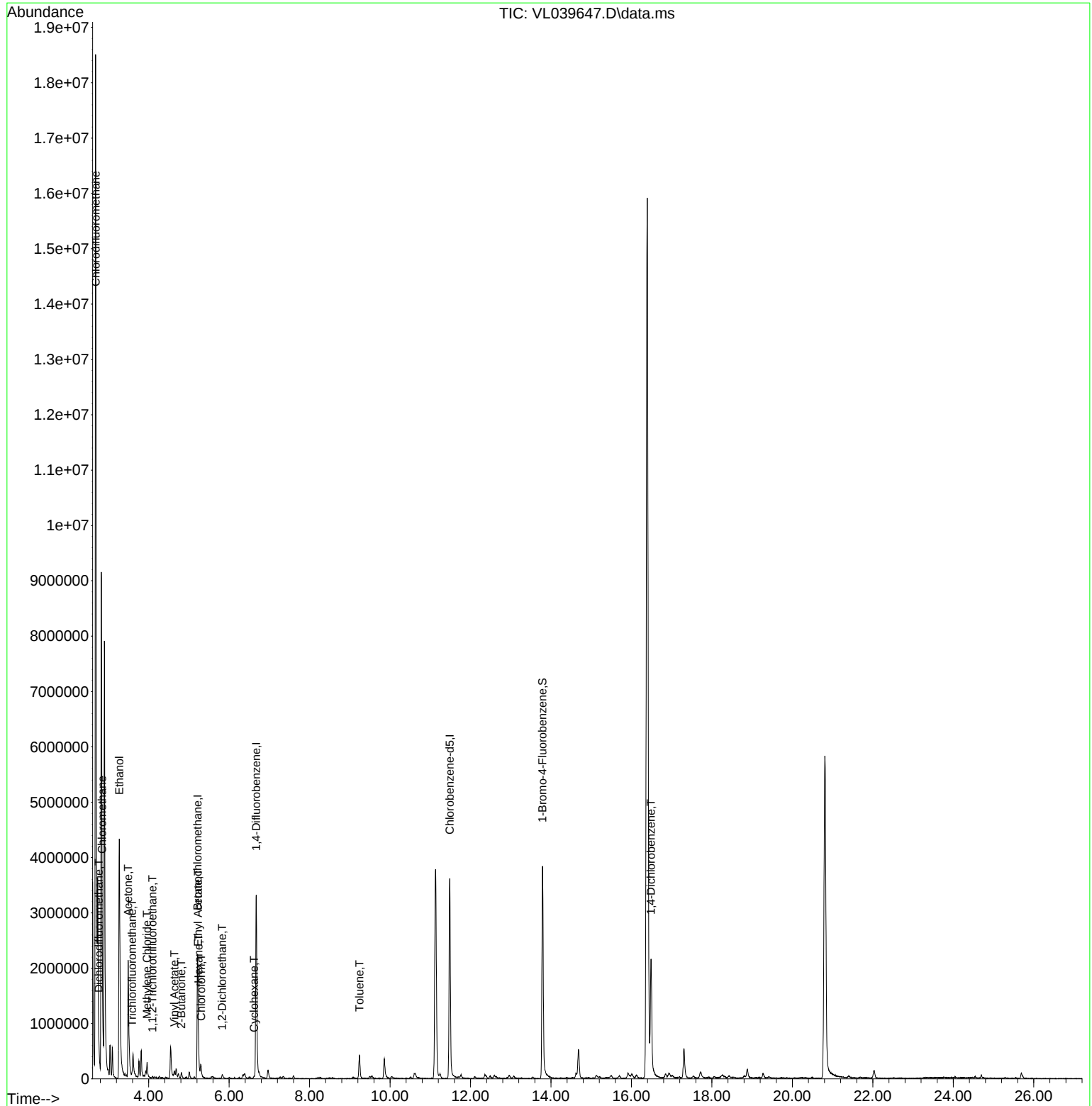
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039647.D
Acq On : 21 Sep 2022 22:59
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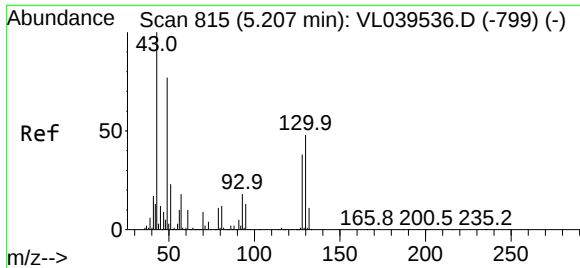
Instrument :
MSVOA_L
ClientSampleId :
C0PF6

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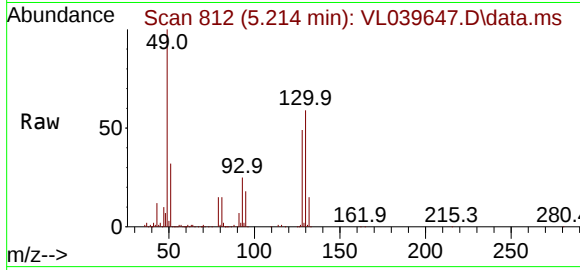
Quant Time: Sep 22 08:21:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

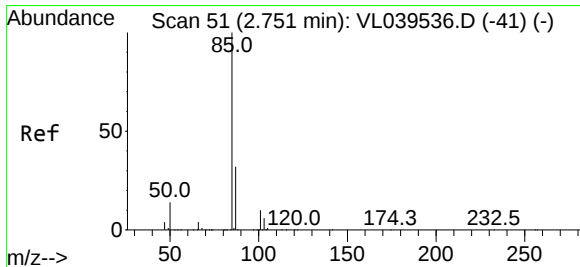
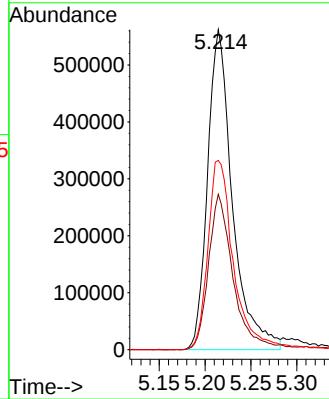
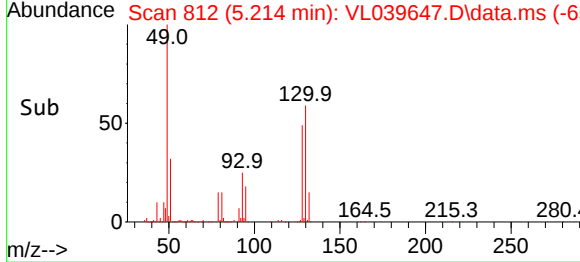
Instrument :
MSVOA_L
ClientSampleId :
COPF6



Tgt Ion: 49 Resp: 106185
Ion Ratio Lower Upper
49 100
128 49.3 26.7 80.0
130 62.1 34.3 102.8

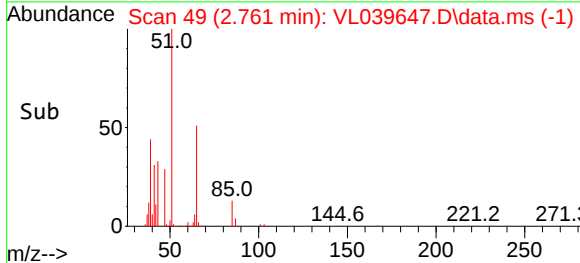
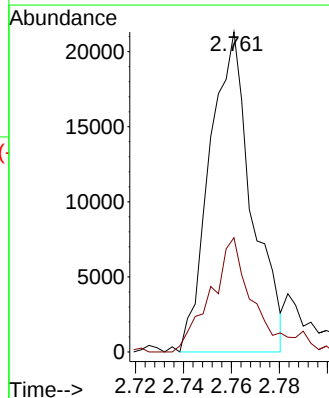
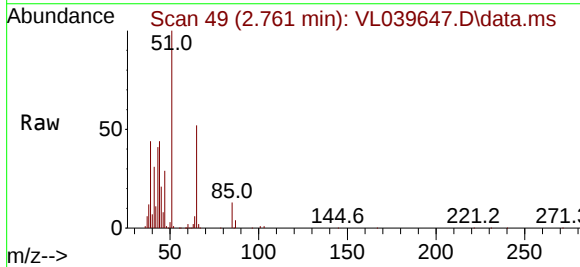
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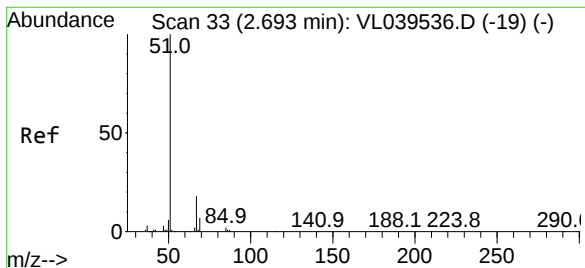
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.211 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.010 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

Tgt Ion: 85 Resp: 25923
Ion Ratio Lower Upper
85 100
87 33.8 26.7 40.1





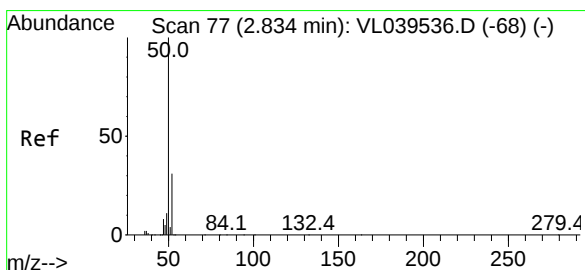
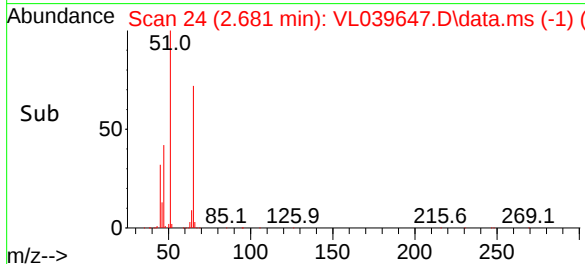
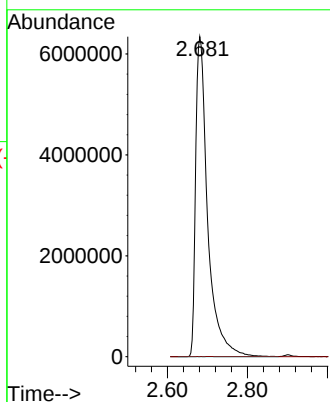
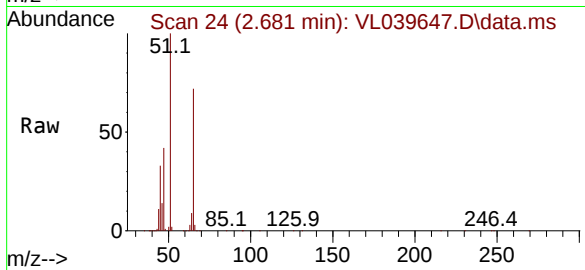
#3
Chlorodifluoromethane
Concen: 105.623 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.012 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

Instrument :
MSVOA_L
ClientSampleId :
COPF6

Tgt Ion: 51 Resp:13309572
Ion Ratio Lower Upper
51 100
67 0.0 15.7 23.5

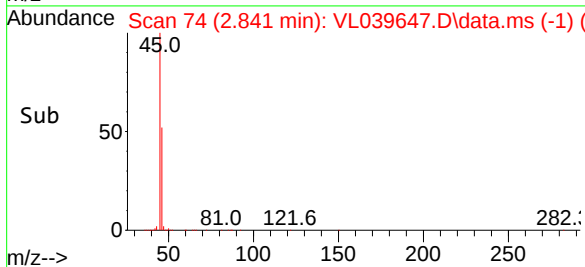
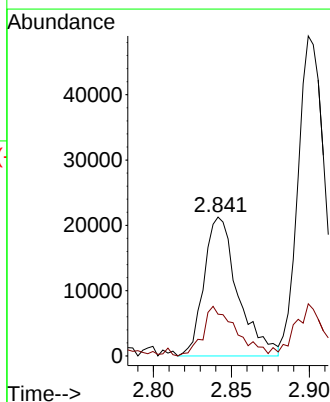
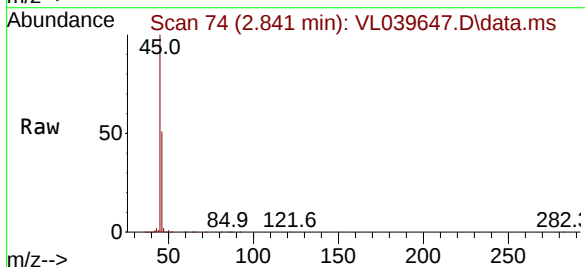
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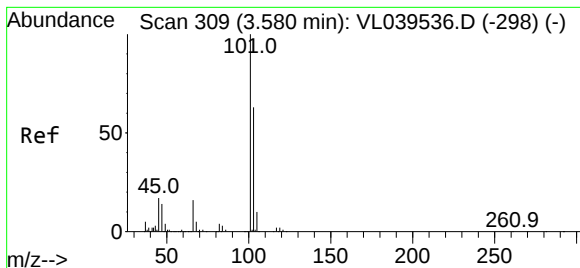
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#4
Chloromethane
Concen: 0.422 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

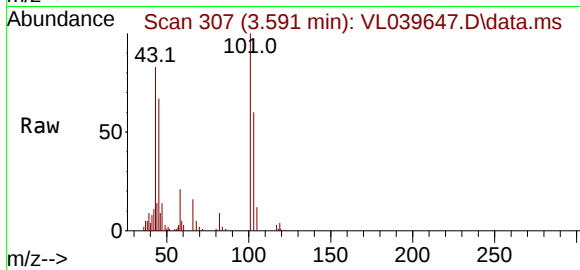
Tgt Ion: 50 Resp: 32076
Ion Ratio Lower Upper
50 100
52 30.1 26.5 39.7





#11
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 3.591 min Scan# 309
Delta R.T. 0.010 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

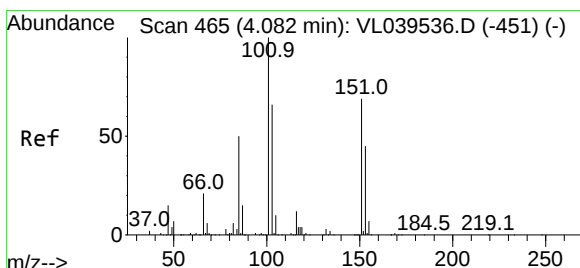
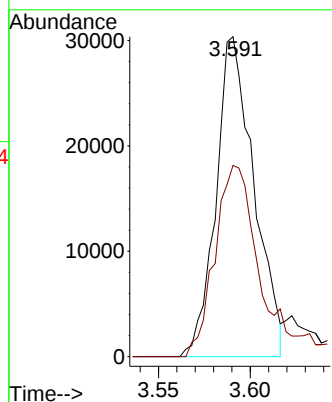
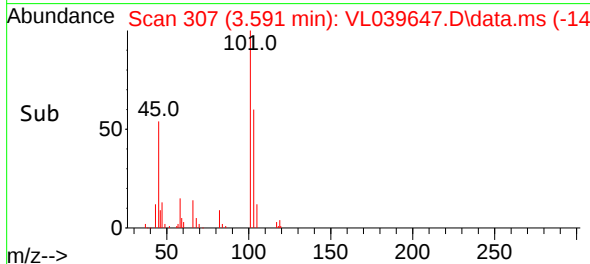
Instrument :
MSVOA_L
ClientSampleId :
COPF6



Tgt Ion:101 Resp: 4362
Ion Ratio Lower Upper
101 100
103 59.7 51.8 77.8

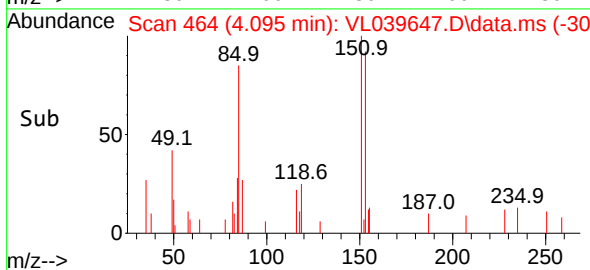
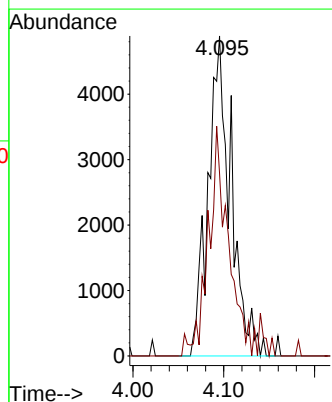
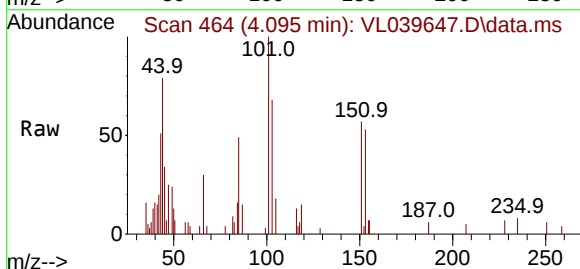
Manual Integrations
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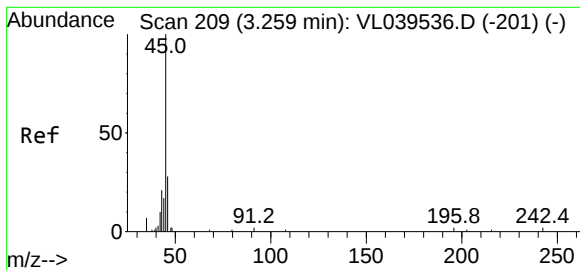
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.075 ppbv m
RT: 4.095 min Scan# 464
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

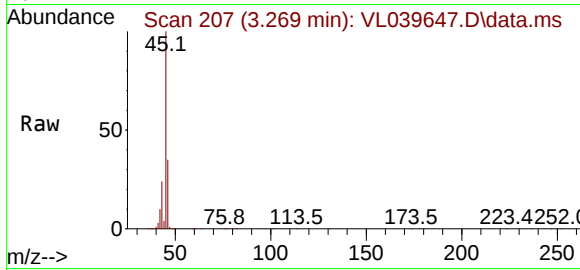
Tgt Ion:101 Resp: 8596
Ion Ratio Lower Upper
101 100
151 66.0 58.9 88.3





#13
Ethanol
Concen: 1166.545 ppbv
RT: 3.269 min Scan# 209
Delta R.T. 0.010 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

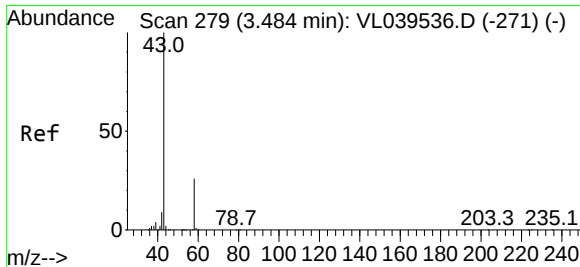
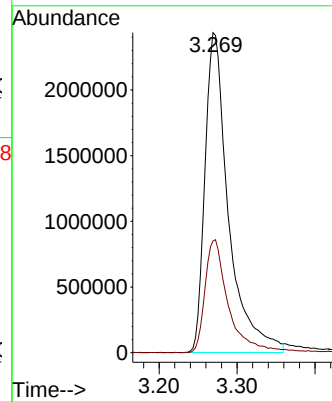
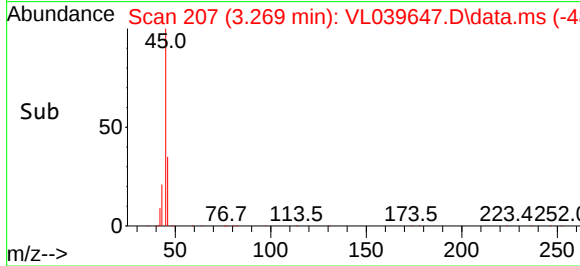
Instrument :
MSVOA_L
ClientSampleId :
C0PF6



Tgt Ion: 45 Resp: 511539
Ion Ratio Lower Upper
45 100
46 35.9 22.8 91.2

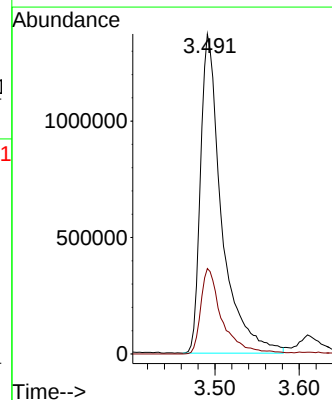
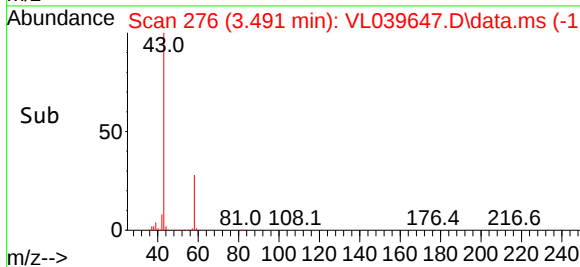
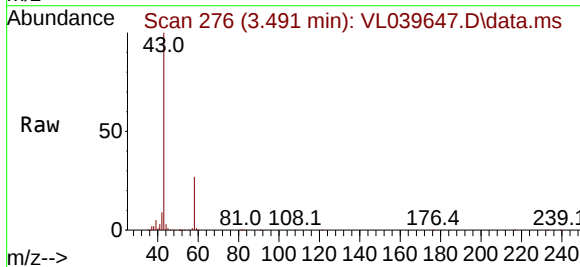
Manual Integrations
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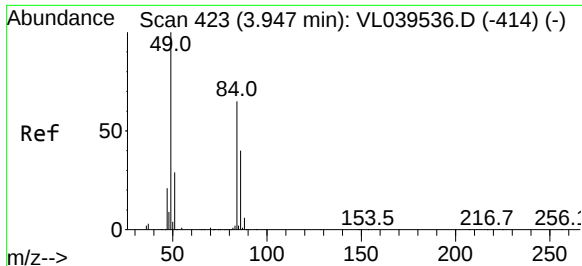
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#15
Acetone
Concen: 20.297 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

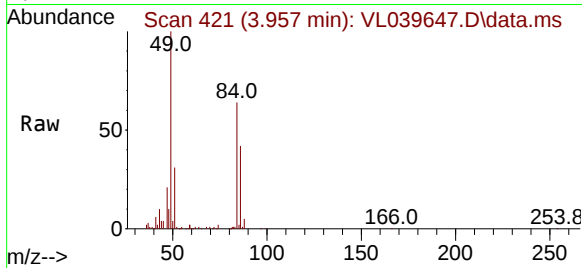
Tgt Ion: 43 Resp: 2398203
Ion Ratio Lower Upper
43 100
58 27.0 21.0 31.6





#20
Methylene Chloride
Concen: 1.484 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

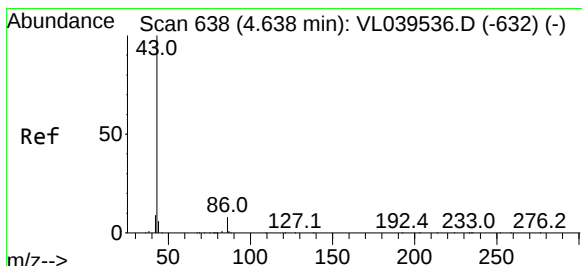
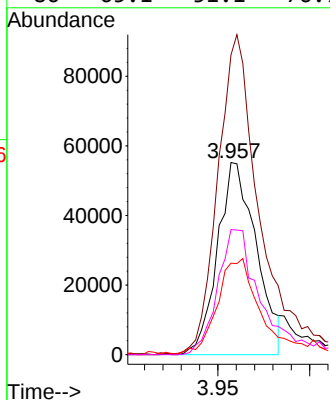
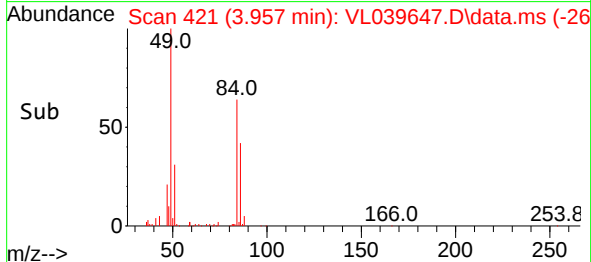
Instrument :
MSVOA_L
ClientSampleId :
C0PF6



Tgt Ion: 84	Resp: 8105
Ion Ratio	Lower Upper
84 100	
49 155.7	123.1 184.7
51 46.9	34.4 51.6
86 65.1	51.1 76.7

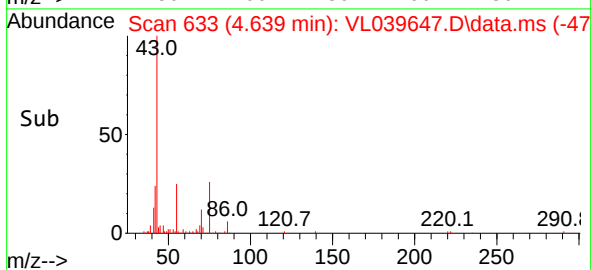
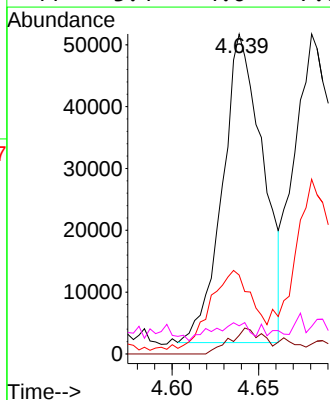
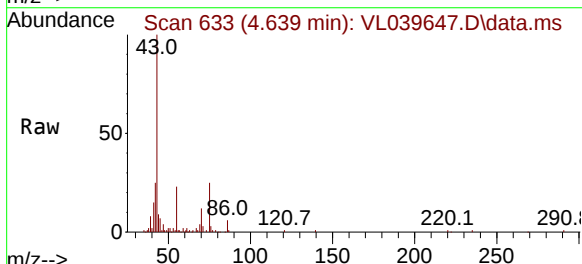
Manual Integrations
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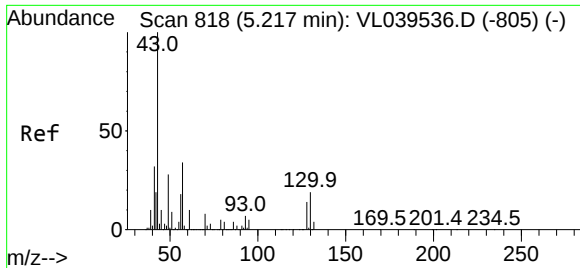
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#23
Vinyl Acetate
Concen: 1.516 ppbv
RT: 4.639 min Scan# 633
Delta R.T. 0.001 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

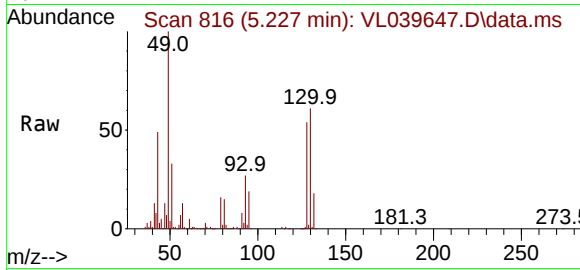
Tgt	Ion: 43	Resp:	80981
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.0	7.6
42	23.7	7.7	11.5#
44	3.4	4.6	7.0#





#25
Ethyl Acetate
Concen: 1.134 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.010 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

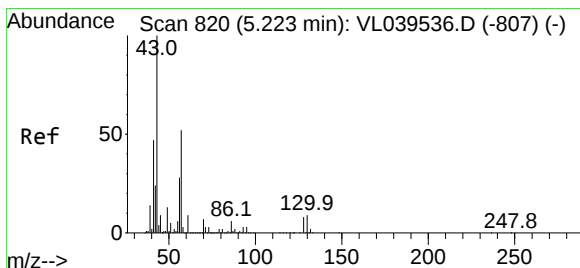
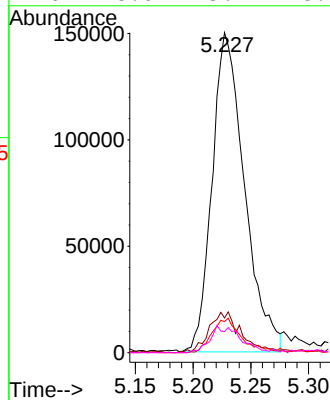
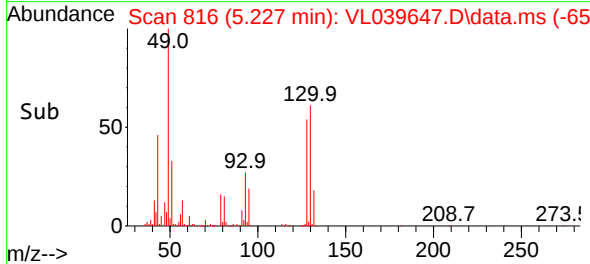
Instrument :
MSVOA_L
ClientSampleId :
COPF6



Tgt Ion	Ratio	Lower	Upper
43	100		
45	13.2	8.2	12.4
61	10.4	8.3	12.5
70	8.0	5.9	8.9

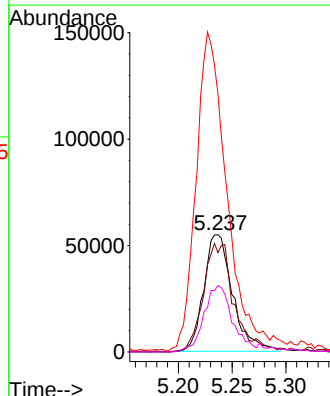
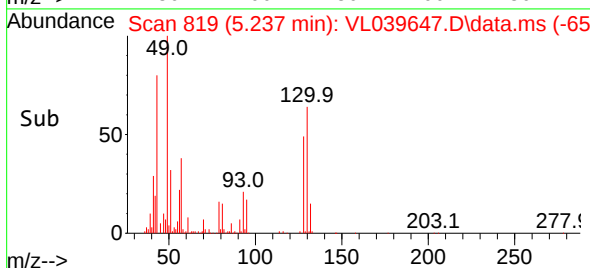
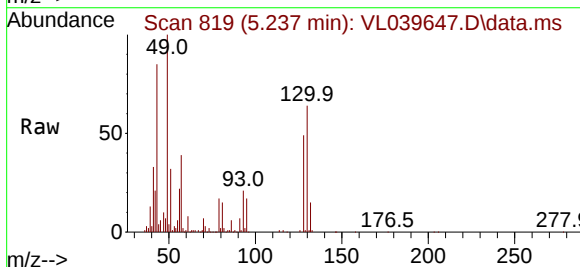
Manual Integrations
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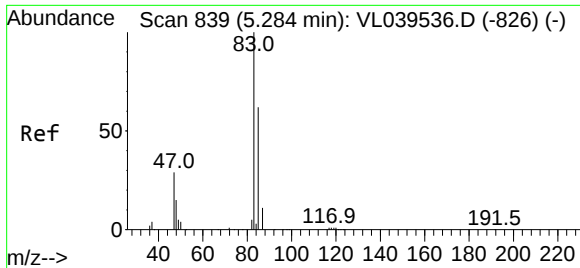
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#26
Hexane
Concen: 0.935 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

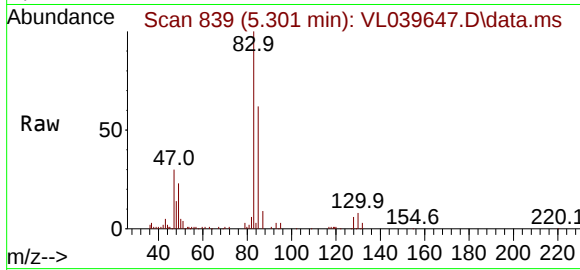
Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.4	76.9	115.3
43	296.8	191.0	286.6
56	60.5	43.2	64.8





#29
Chloroform
Concen: 0.913 ppbv
RT: 5.301 min Scan# 839
Delta R.T. 0.017 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

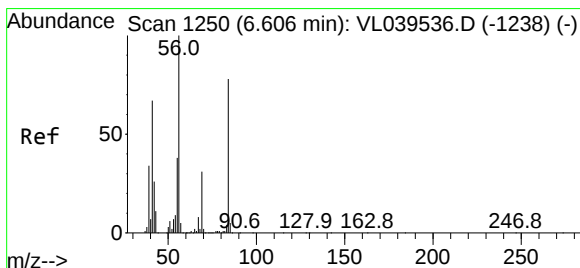
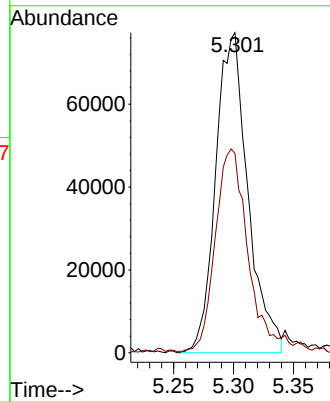
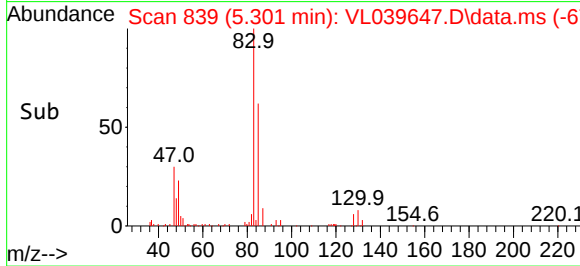
Instrument :
MSVOA_L
ClientSampleId :
COPF6



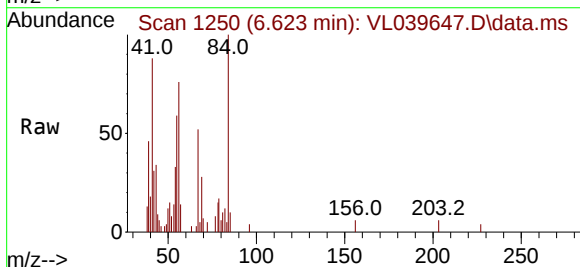
Tgt Ion: 83 Resp: 14411
Ion Ratio Lower Upper
83 100
85 61.8 52.8 79.2

Manual Integrations
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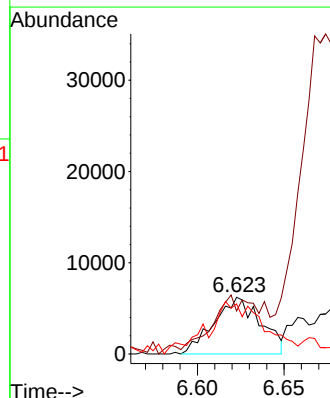
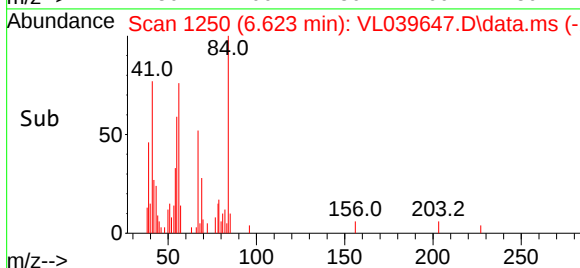
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

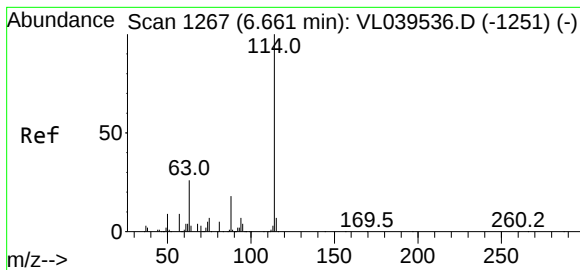


#30
Cyclohexane
Concen: 0.137 ppbv
RT: 6.623 min Scan# 1250
Delta R.T. 0.017 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59



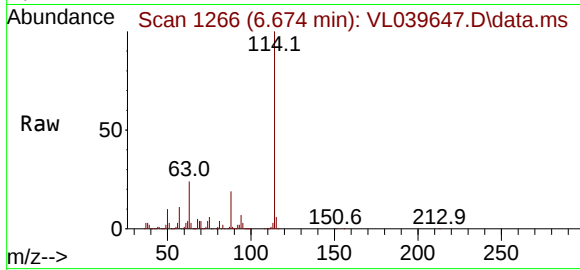
Tgt Ion: 84 Resp: 11623
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 122.1 67.7 101.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 111
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

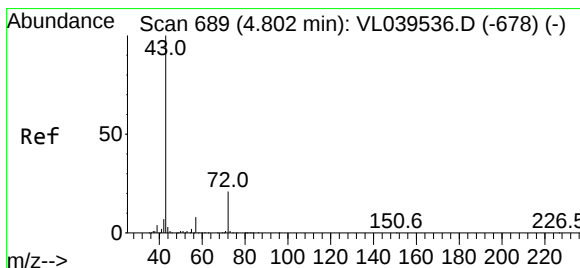
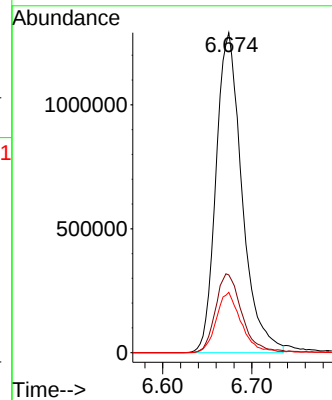
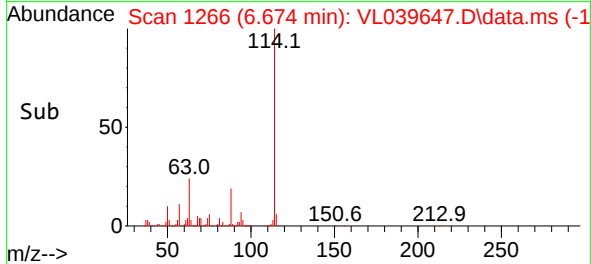
Instrument :
MSVOA_L
ClientSampleId :
COPF6



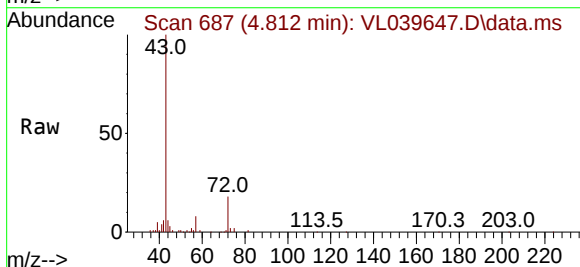
Tgt Ion:114 Resp: 2621194
Ion Ratio Lower Upper
114 100
63 25.5 20.2 30.4
88 18.5 14.5 21.7

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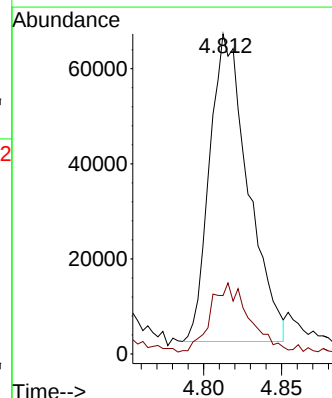
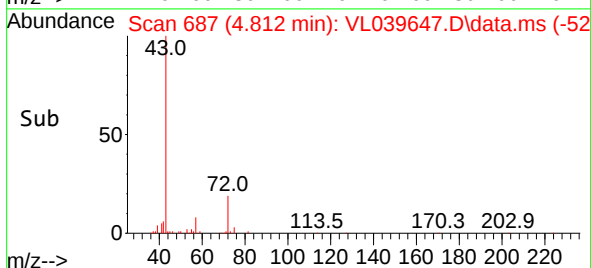
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

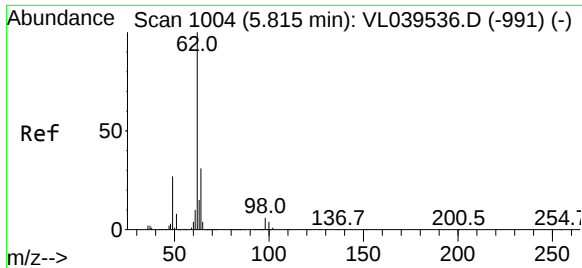


#34
2-Butanone
Concen: 0.863 ppbv
RT: 4.812 min Scan# 687
Delta R.T. 0.010 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59



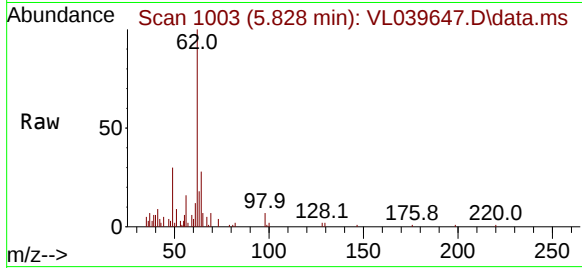
Tgt Ion: 43 Resp: 111111
Ion Ratio Lower Upper
43 100
72 26.6 17.9 26.9





#37
1,2-Dichloroethane
Concen: 0.392 ppbv
RT: 5.828 min Scan# 1003
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

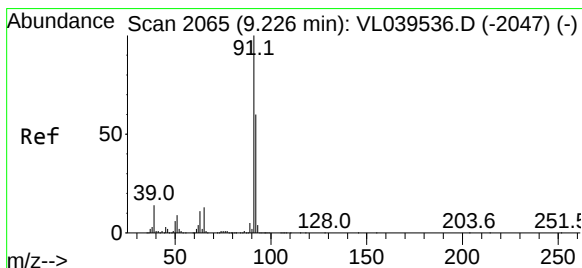
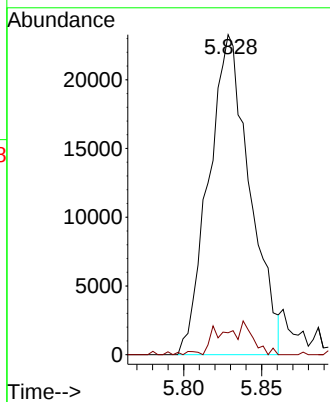
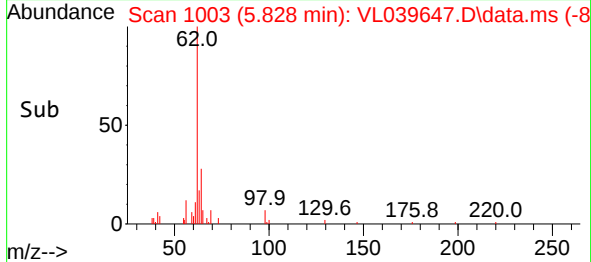
Instrument :
MSVOA_L
ClientSampleId :
COPF6



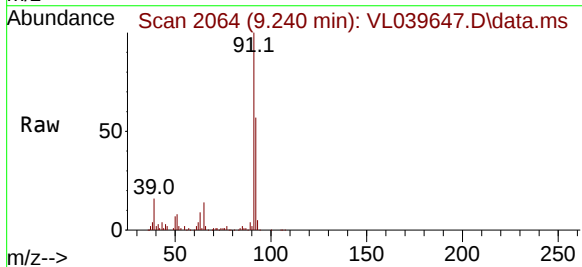
Tgt Ion: 62 Resp: 4280
Ion Ratio Lower Upper
62 100
98 8.1 5.1 7.7

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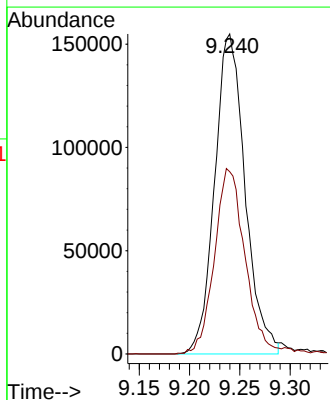
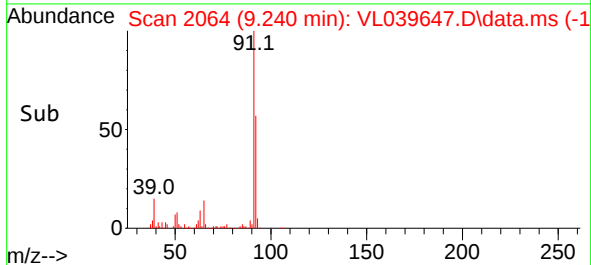
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

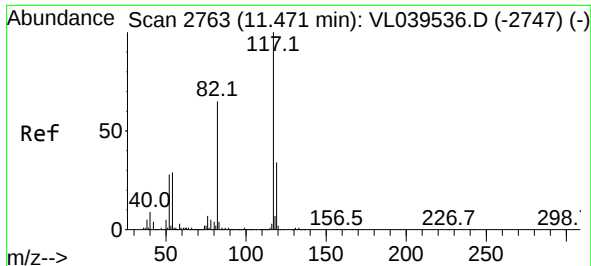


#53
Toluene
Concen: 1.463 ppbv
RT: 9.240 min Scan# 2064
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59



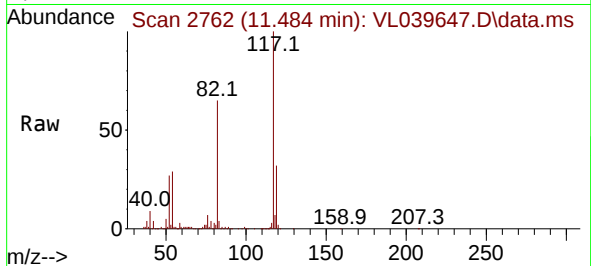
Tgt Ion: 91 Resp: 326131
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59

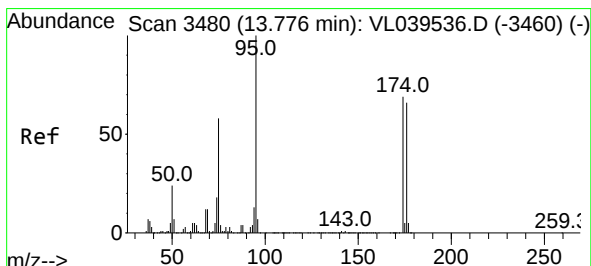
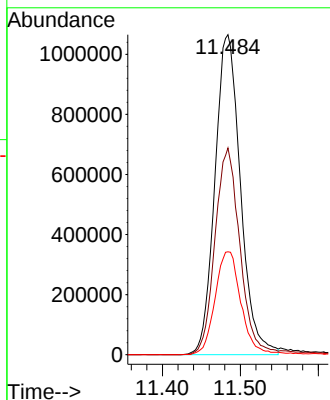
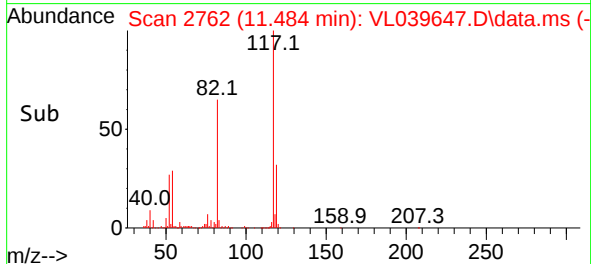
Instrument :
MSVOA_L
ClientSampleId :
COPF6



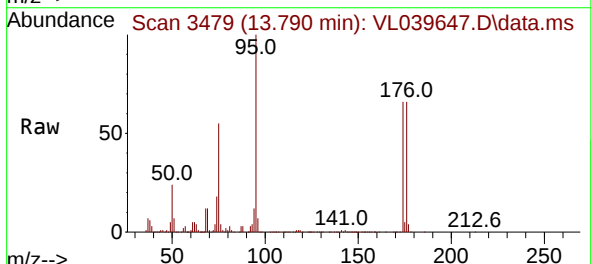
Tgt Ion: 117 Resp: 243260
Ion Ratio Lower Upper
117 100
82 64.2 50.8 76.2
119 33.0 24.1 36.1

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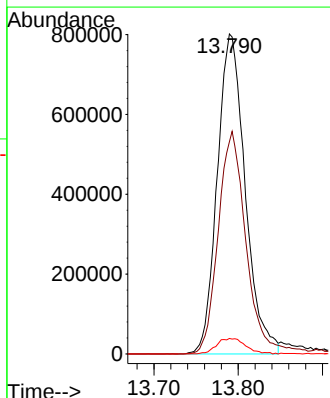
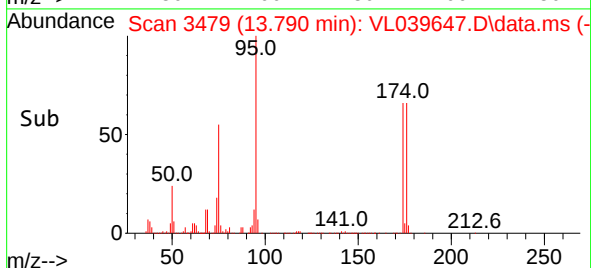
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

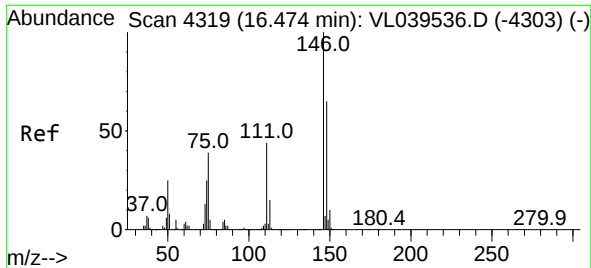


#68
1-Bromo-4-Fluorobenzene
Concen: 10.144 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.014 min
Lab File: VL039647.D
Acq: 21 Sep 2022 22:59



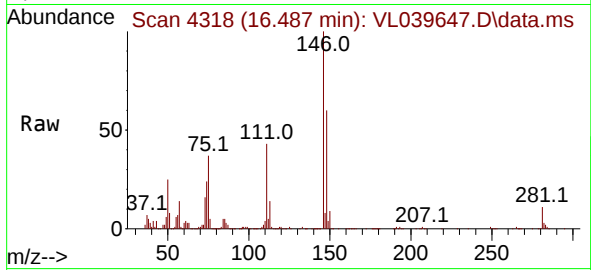
Tgt Ion: 95 Resp: 1842099
Ion Ratio Lower Upper
95 100
174 71.3 55.9 83.9
175 5.3 4.2 6.4





#76
 1,4-Dichlorobenzene
 Concen: 6.130 ppbv
 RT: 16.487 min Scan# 41
 Delta R.T. 0.014 min
 Lab File: VL039647.D
 Acq: 21 Sep 2022 22:59

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF6



Tgt Ion:146 Resp: 1021250
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.9 68.8
 148 64.8 33.6 100.8

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

